

श्रद्धेय श्री. अटल बिहारी वाजपेयी वनस्पती उद्यान  
विसापूर जि. चंद्रपूर येथील विविध कामांच्या  
अंदाजपत्रकांना प्रशासकीय मान्यता प्रदान  
करण्याबाबत.

महाराष्ट्र शासन  
महसूल व वन विभाग,  
शासन निर्णय क्र. वनबां-२०२४/प्र.क्र.०५/फ-९  
मादाम कामा रोड, हुतात्मा राजगुरु चौक,  
मंत्रालय, मुंबई ४०० ०३२  
दिनांक :- १९ जानेवारी, २०२४

**वाचा :-**

१. वित्त विभाग, शासन निर्णय क्र.विअप-२०१३/प्र.क्र.३०/१३/विनियम (भाग-२), दिनांक २०.०९.२०१९
२. सार्वजनिक बांधकाम विभाग, शासन परिपत्रक क्र.संकीर्ण-२०१९/प्र.क्र.१०/इमा-२, दि.२५.०९.२०१९
३. अपर प्रधान मुख्य वनसंरक्षक (अर्थसंकल्प, नियोजन व विकास), महाराष्ट्र राज्य, नागपूर यांचे पत्र क्र.कक्ष-२४/लेखा/प्र.क्र.३४/६९६/२०२३-२४, दिनांक १९.१२.२०२३
४. अपर प्रधान मुख्य वनसंरक्षक (अर्थसंकल्प, नियोजन व विकास), महाराष्ट्र राज्य, नागपूर यांचे पत्र क्र.कक्ष-२४/लेखा/प्र.क्र.४९/७५७/२०२३-२४, दिनांक १०.०१.२०२४

**प्रस्तावना:-**

श्रद्धेय श्री. अटल बिहारी वाजपेयी वनस्पती उद्यान विसापूर जि.चंद्रपूर येथील विविध कामांच्या अंदाजपत्रकांना प्रशासकीय मान्यता प्रदान करण्याबाबतचा प्रस्ताव वाचा येथील नमूद क्र.३ व ४ अन्वये प्राप्त झाला आहे.

सदर मुळ अंदाजपत्रकास वाचा येथील क्र.२ च्या शासन परिपत्रकातील तरतूदीनुसार मुख्य अभियंता सार्वजनिक बांधकाम, प्रादेशिक विभाग, नागपूर व मुख्य अभियंता (विद्युत), सार्वजनिक बांधकाम, प्रादेशिक विभाग, मुंबई यांनी तांत्रिक सहमती (Technical Approval) दिलेली आहे.

वित्त विभागाच्या वित्तीय अधिकारामध्ये सुधारणा करण्यासंदर्भात निर्गमित करण्यात आलेल्या वाचा येथील क्र.१ चा शासन निर्णय दिनांक २०.०९.२०१९ मधील भाग एक उपविभाग-५ परि.क्र.१३४(१), १३४(२) आणि १३४(३) नुसार तसेच सार्वजनिक बांधकाम विभागाचे वाचा क्र.२ येथील दिनांक २५.०९.२०१९ च्या परिपत्रकान्वये स्थापत्य व विद्युत कामांशी संबंधित रु.१५ कोटी किंमती पर्यंतच्या कामांना संबंधित मुख्य अभियंता, सार्वजनिक बांधकाम प्रादेशिक विभाग यांनी तांत्रिक सहमती दिल्यानंतर प्रशासकीय मान्यता देण्याबाबतचे अधिकार संबंधीत उपभोक्ता विभागास देण्यात आलेले आहेत.

त्यानुसार श्रद्धेय श्री. अटल बिहारी वाजपेयी वनस्पती उद्यान विसापूर जि.चंद्रपूर येथील विविध कामांच्या अंदाजपत्रकांना प्रशासकीय मान्यता देण्याची बाब शासनाच्या विचाराधीन होती.

**शासन निर्णय :-**

अपर प्रधान मुख्य वनसंरक्षक (अर्थसंकल्प, नियोजन व विकास), महाराष्ट्र राज्य, नागपूर यांनी वाचा येथील क्र.३ व ४ च्या पत्रान्वये सादर केलेला प्रस्ताव, वित्त विभागाचा वाचा येथील नमूद क्र.१ चा शासन निर्णय व सार्वजनिक बांधकाम विभागाचे वाचा येथील नमूद क्र.२ चे परिपत्रक आणि विभागास प्राप्त अधिकार विचारात घेता, श्रद्धेय श्री. अटल बिहारी वाजपेयी वनस्पती उद्यान विसापूर जि.चंद्रपूर येथील खालील तक्त्यातील नमूद केलेल्या एकूण २ कामांच्या **रु.४३५.२३ लक्ष** इतक्या रकमेच्या अंदाजपत्रकांना सोबत जोडलेल्या

“प्रपत्र-१ व २” (Recapitulation Sheet) मध्ये नमूद केल्याप्रमाणे तसेच खालील अटीच्या अधीन राहून शासनाची प्रशासकीय मान्यता (वित्तीय मान्यता वगळून) प्रदान करण्यात येत आहे:-

अ.क्र.	कामाचे नांव	अंदाजपत्रकीय रक्कम रुपये (रुपये लाखात)
१	Providing "Exhaust ventilation System For Aquarium Building at Botanical Garden Visapur Tah. Ballarpur Dist. Chandrapur	१३५.७०
२	चंद्रपूर जिल्ह्यातील श्रद्धेय श्री.अटल बिहारी वाजपेयी वनस्पती उद्यान विसापूर येथे उपहारगृह (कॅफेटेरीया) अंतर्गत सजावट व अतिरिक्त फर्निचरचे काम करणे	२९९.५३
	एकूण	४३५.२३

- अपर प्रधान मुख्य वनसंरक्षक (अर्थसंकल्प, नियोजन व विकास), महाराष्ट्र राज्य, नागपूर यांनी उपरोक्त तक्त्यातील नमूद अंदाजपत्रकातील स्थापत्य व विद्युत विषयक कामांना वित्त विभागाचा शासन निर्णय दिनांक २०.०९.२०१९ व सार्वजनिक बांधकाम विभागाच्या दिनांक २५.०९.२०१९ मधील परिपत्रकातील तरतुदीनुसार त्यांना सक्षम प्राधिकाऱ्यांची तांत्रिक मान्यता असल्याची खातरजमा करावी.
- अंदाजपत्रक व नकाशे उपभोक्ता विभागाच्या सक्षम प्राधिकाऱ्याकडून साक्षात्कृत करून घेण्यात यावे.
- काम सुरु करण्यापूर्वी जागेच्या मालकी हक्काबाबतची पूर्तता करून घ्यावी.
- सदरची कामे प्रशासकीय मान्यता प्रदान केलेल्या रक्कमेतच पूर्ण होतील याची दक्षता घेण्यात यावी.
- प्रस्तुत काम पुरातत्व विभागाच्या अखत्यारित येत असल्यास संबंधीत विभागाची तसेच महानगरपालिका व तत्सम प्राधिकरणे यांची पूर्व परवानगी घ्यावी.
- प्रस्तावातील खरेदीशी संबंधीत बाबींकरीता ई-निविदा प्रणालीचा अवलंब करून उद्योग, ऊर्जा व कामगार विभागाकडील दि.२४.०८.२०१७ च्या शासन निर्णयान्वये निर्गमित केलेल्या सूचना विचारात घ्याव्यात.
- प्रत्यक्ष काम करतेवेळी पर्यावरण विभाग, शासन निर्णय क्र.इएनव्ही-२०१३/प्र.क्र.१७७/तां.क.१, दिनांक १० जानेवारी, २०१४ मध्ये उल्लेख करण्यात आलेल्या मार्गदर्शक तत्वानुसार कार्यवाही करण्यात यावी.
- सदर कामाच्या बांधकामाचा खर्च योजनेंतर्गत मंजूर उपलब्ध असलेल्या नियतव्ययातून करण्यात यावा.
- ढोबळ स्वरूपात धरण्यात आलेल्या तरतुदीबाबत काम करतेवेळी विस्तृत अंदाजपत्रक दरपत्रके मंजूर करूनच काम हाती घ्यावे.
- सदरहू कामे करतांना वन (संवर्धन) अधिनियम १९८० अंतर्गत तरतूद तसेच प्रचलित कायदे / नियम संदर्भाधिन तरतूदींचा भंग होणार नाही. तसेच कोणतीही अनियमितता होणार नाही याची दक्षता घ्यावी.
- वित्त विभागाच्या दिनांक १२.०४.२०२३ रोजीच्या परिपत्रकातील अटी व वित्त विभागाने वेळो वेळी घालून दिलेल्या अटी व शर्तीचे उल्लंघन होणार नाही याची दक्षता घ्यावी.
- शासन निर्णय क्रमांक एमएससी- २०११/प्र.क्र.१७८/फ-५, दिनांक ३०.९.२०११ च्या परिशिष्टात नमूद केलेल्या अटी व शर्ती बंधनकारक असतील.
- कामांची अंमलबजावणी करताना कामांचे एकत्रीकरण करून नियमानुसार ई-निविदा प्रणाली अवलंबण्याची दक्षता घ्यावी.

सदर शासन निर्णय वित्त विभाग, क्र.विअप्र-२०१३/प्र.क्र.३०/१३/विनियम(भाग-२), दिनांक २०.९.२०१९ अन्वये वित्तीय अधिकारामध्ये सुधारणा या शासन निर्णयातील भाग एक उपविभाग- ५ परि.क्र.१३४ (१), १३४ (२)

आणि १३४ (३) नुसार तसेच सार्वजनिक बांधकाम विभाग, शासन परिपत्रक क्र.संकीर्ण-२०१९/प्र.क्र.१०/ इमा-२, दिनांक २५.०९.२०१९ अन्वये स्थापत्य व विद्युत कामांशी संबंधित रु.१५ कोटी किंमती पर्यंतच्या कामांना संबंधित मुख्य अभियंता, सार्वजनिक बांधकाम प्रादेशिक विभाग यांनी तांत्रिक सहमती दिल्यानंतर प्रशासकीय मान्यता देण्याबाबतचे उपभोक्ता विभागास प्रदान करण्यात आलेले वित्तीय अधिकारानुसार निर्गमित करण्यात येत आहे.

सदर शासन निर्णय महाराष्ट्र शासनाच्या [www.maharashtra.gov.in](http://www.maharashtra.gov.in) या संकेतस्थळावर उपलब्ध करण्यात आला असून त्याचा संकेतांक २०२४०११९१६१८४००३१९ असा आहे. हा आदेश डिजिटल स्वाक्षरीने साक्षांकित करून काढण्यात येत आहे.

महाराष्ट्राचे राज्यपाल यांच्या आदेशानुसार व नावाने,

(विवेक होशिंग)

उप सचिव (वने), महाराष्ट्र शासन

प्रति,

१. प्रधान मुख्य वनसंरक्षक (वनबल प्रमुख), महाराष्ट्र राज्य, नागपूर
२. अपर प्रधान मुख्य वनसंरक्षक (अर्थसंकल्प, नियोजन व विकास), महाराष्ट्र राज्य, नागपूर
३. मुख्य वनसंरक्षक, चंद्रपूर वनवृत्त, चंद्रपूर
४. उपवनसंरक्षक, मध्य चांदा, चंद्रपूर वनविभाग, चंद्रपूर.
५. महालेखापाल-१/२ (लेखा परिक्षा/लेखा व अनुज्ञेयता) महाराष्ट्र राज्य, मुंबई / नागपूर.
६. सचिव, सार्वजनिक बांधकाम विभाग, मंत्रालय, मुंबई
७. वित्त विभाग, व्यय-१० कार्यासन, मंत्रालय, मुंबई.
८. नियोजन विभाग (का-१४७५), मंत्रालय, मुंबई.
९. कार्यासन फ-२/ब-१, महसूल व वन विभाग, मंत्रालय, मुंबई.
१०. निवडनस्ती-फ-९

## प्रपत्र-१

शासन निर्णय क्र.संकीर्ण-२०२४/प्र.क्र.०५/फ-९ दिनांक १९ जानेवारी, २०२४ सोबतचे प्रपत्र -१

Name of Work:-

Providing Exhaust Ventilation System for Aquarium Building At Botanical Garden, Visapur  
Tah. Ballarpur Dist.- Chandrapur

Sr.No.	Item No.	Qty.	Item Description	Rate	Unit	Amount
1	Non CSR	1200	Supplying, Installation, Testing and Commissioning of Sealing the joints of the façade panels using synthetic glue matching panel colour.	350.00	Rmt	420000.00
2	Non SR	1950	Supplying & erecting 50 mm thick <u>Glass Wool</u> Insulation of 48kg/m3 density, backed by Al. Foilbetween Faced & Polycarbonate Sheet.	1220.00	m2	2379000.00
3	Non CSR	4	Supply, Installation, Testing and Commissioning of forced draft ventilation system with mounting frame of capacity below: Fan Type: Inline, Cabinet: 25mm thick sandwiched puf insulated,Pre-Filter: ePM-10,Fan Capacity: 10,000 cfm,Fan Static: 650 Pa	175000.00	each	700000.00
4	Non CSR	500	Supply, Installation, Testing, and Commissioning of air distribution ducting with all the accessories, supports, hangers, etc. Confirming SMACNA-006 / SMACNA-016 / DW-142 / DW-143/ BS EN 1886 /BS EN 1507/BS EN 12237/ASME N509/ ASME N510 / ASME N511 /BIS-IS: 655 / BIS-IS:277 as applicable. Duct sealing class: SMACNA "class A" Duct leakage class: SMACNA "class 6" of 0.63 mm (24 G).	1250	m²	625000.00
5	Non CSR	350	Supply, Installation, Testing, and Commissioning of air distribution ducting with all the accessories, supports, hangers, etc. Confirming SMACNA-006 / SMACNA-016/DW-142/DW-143/BS EN 1886 /BS EN 1507/BS EN 12237/ASME N509 / ASME N510 / ASME N511 /BIS-IS: 655 / BIS-IS:277 as applicable. Duct sealing class: SMACNA "class A" Duct leakage class: SMACNA "class 6" of 0.80 mm (22 G).	1450	m²	507500.00
6	Non CSR	2	Providing DUCT LEAKAGE TESTING WITH PRESSURIZATION: Testing & Following SMACNA Air Duct Leakage Standards/DW-142/ BS EN 1886 / BS EN 1507 /BS EN 12237/ ASME N509/ASME N510/ASME N511 This process will be documented.	25000	Job	50000.00
7	Non CSR	10	Supplying & erecting (Supply Air) : Al. Extruded, Powder Coated, Linear Grilles with Collar Damper of Size 1000 x 300 .	5000	Nos	50000.00
8	Non CSR	10	Supplying & erecting (Extract Air): Al. Extruded, Powder Coated, Linear Grilles without Collar Damper of Size 1000 x 300 .	5000		50000.00
9	Non CSR	200	Supplying & Erecting Return Air Boxing made of 19mm waterproof plywood sheets duly insulated using 25mm elastomeric open cell foam with synthetic rubber. The RA boxing should have access to the Ductable unit for maintenance and servicing.	3500	m²	700000.00
10	6.1.19	1000	Supplying and erecting iron work, sheet metal work consisting of CRCA sheets, various sections of iron, plates, chequered plates, rods, bars, MS pipes, etc. for panel board or any other purpose with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority.	186	Kg.	186000.00

11	Non CSR	1	Supply, Installation, Testing, and Commissioning of electrical power distribution system with all the accessories, cable trays, supports, and hangers. DISTRIBUTION PANEL: GI Powder Coated Panel of IP-55 Protection having incomer MCCB & Phase indicating lamps, Isolators with Remote Start/Stop operation. The panel shall have individual feeders for each Equipment. Panels with VFD for FDV fan motor operations. The VFD HMI should have an indication of Energy Metering, Voltage(V), Current(I), Input Power (kW), Frequency (Hz), and Power Factor (Pf) and should have the following features: 1.VFD Drive : Build BAS Enabled 2. Communications : Modbus 3.Power range : 3 phases; 440 V 4.Feeder for FDV Cabinet Fan Motors: 5.5 kW – 4 Nos	785000.00	each	785000.00
12	Non CSR	200	Supplying, erecting & terminating FR XLPE insulated, armored power and control cables of 4-Core x 2.5 mm <sup>2</sup> copper conductor, on trays/ trenches including Termination, Dressing, Clamping & Glanding (IP-66) by strictly following User Requirements & Technical Specifications:	450	Rmt	90000.00
13	Non CSR	1	Supply, Installation, Testing, and Commissioning of Control Automation with all the components and accessories to control the Forced Draft Ventilation System based on Ambient Dew-Point Temperature.	350000	Lot	350000.00
14	Non CSR	200	Supplying, erecting & terminating FR XLPE insulated, armored power and control cables of 4-Core x 1.5 mm <sup>2</sup> copper conductor, on trays/ trenches including Termination, Dressing, Clamping & Glanding (IP-66) by strictly following User Requirements & Technical Specifications:	300	Rmt	60000.00
15	9.1.5	2.00	Supplying, installation and testing of maintenance free earthing comprising of Electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with 25 kg Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity complete, and recording the results Specification no. EA-MOBI	13805.00	Job	27610.00
16	9.2.3	20.00	Supplying and erecting GI strip of high purity required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint with joints required. As per specification no EA-EP.	222.00	Job	4440.00
17	3-11-7	1.00	Supplying, erecting, testing and commissioning of 18HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required /suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete.	471886.00	Each	471886.00

18	3-11-3	1.00	Supplying, erecting, testing and commissioning of 10HP, VRF/VRV air conditioning system outdoor unit (ODU) complies type-IV OEM standards working on HFC refrigerant R410A or other required /suitable green equivalent refrigerant, for minimum cooling capacity as delivering 100% capacity at 47° C, non stop cooling even at 56° C and coefficient of performance (COP) 3.00 to 4.00, modular type vertical hot air discharge suitable for longer piping range upto 1000 metre operation in cooling mode with inverter/ digital VRF/VRV technology microprocessor based control compressor starter/control panel with scroll compressor, air cooled copper condenser coil of suitable shape for increasing maximum heat transfer area, rain protection cover, built in oil separator, accumulator and oil receiver, copper tube aluminium fin air cooled condenser, condenser fan with motor suitable for 415V±10%, 50 Hz, 3 phase power supply (all suitable for high ambient conditions), internal copper refrigerant piping, internal wiring and refrigerant, etc. all housed in powder coated weather proof cabinet complete.	302137.00	Each	302137.00
19	3-11-23	8.00	Supply, installation, testing and commissioning of VRF/VRV based ceiling suspended 4 Way cassette room/indoor unit (IDU-compact / standard size) of nominal cooling capacity 3.3TR (1165 cfm) to 4.0TR (1218 cfm ) having EER as per BEE standards and specifications, suitable as per site requirement with swing louvers and adjustable blades from sides. IDU with drainage arrangements, fan, refrigerant liquid and refrigerant piping, cordless remote control, and fresh air port etc. IDU shall have anti corrosive coating suitable for coastal area in all respects suitable to operate on 1-phase, 230V, 50Hz, AC supply complete. The unit consisting with any additional refrigerant and oil charge as per requirement during installation.	39865.00	Each	318920.00
20	3-11-86	10.00	Supplying and installation of high pressure grade required size copper connection Y or T- Joints / refnet for liquid and suction line complete erected on wall/ceiling with supports/raceways, Nitrile rubber insulation, painting etc. with brazing and testing for leakages confirming the normal operation of the VRV/VRF air conditioning system	6092	Each	60920.00
21	3-11-89	22.00	supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 41.3mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.	2651	Rmt	58322.00
22	3-11-90	26.00	Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 34.9mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations with OEM standards of VRV/VRF air conditioning system complete.	2476	Rmt	64376.00

23	3-11-91.	42.00	Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 28.6 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge ( hard drawn copper pipe for liquid main line and for refrigerant ) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating suitable for use with VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations complete with OEM standards of VRV/VRF air conditioning system.	2424	Rmt	101808.00
24	3-11-92.	39.00	Supplying, laying/ fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 22.2 mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge ( hard drawn copper pipe for liquid main line and for refrigerant ) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating suitable for use with VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations complete with OEM standards of VRV/VRF air conditioning system	1623	Rmt	63297.00
25	3-11-93	14.00	Supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 19.1mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete.	1261	Rmt	17654.00
26	3-11-94.	33.00	Supplying, laying /fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 15.9 mm dia (OD) for liquid line / suction line supply and return piping of suitable gauge ( hard drawn copper pipe for liquid main line and for refrigerant ) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating suitable for use with VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations complete with OEM standards of VRV/VRF air conditioning system.	1108	Rmt	36564.00
27	3-11-95	29.00	supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 12.7mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete.	820	Rmt	23780.00

28	3-11.-96	26.00	Supplying, laying / fixing, testing and ommissioning of appropriate nominal refrigerant copper pipe of 9.5 mm dia (OD) for liquid line / suction line supply and return piping of suitable gauge ( hard drawn copper pipe for liquid main line and for refrigerant ) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19 mm thick elastomeric nitrile rubber along with application of multicoating suitable for use with VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultra violet radiations complete with OEM standards of VRV/VRF air conditioning system.	689	Rmt	17914.00
29	3-11-97	12.00	supplying, laying/fixing, testing and commissioning of appropriate nominal refrigerant copper pipe of 6.4mm dia (OD) for liquid line/suction line supply and return piping of suitable gauge (hard copper pipe for liquid main line and soft copper pipe for refrigerant) along with necessary supports, hangers, clamps, vibration isolators and fittings such as bends, tees, valves, gauges, strainers with insulation of 19mm thick elastomeric nitrile rubber along with application of multicoating of VRV/VRF piping for protection against mechanical damages, fungal growth, flame spread, water permeance and ultraviolet radiations with OEM standards of VRV/VRF air conditioning system complete.	533	Rmt	6396.00
30	NCSR		Supply, Installation, Testing and Commissioning of drain piping conforming to IS :1239 /3589 heavy class including all fitting like anchor fasteners , pipe supporting , frame structure , coupling , bends, elbows, tees, flanges, tappings, wall sleeves, hangers and rigid polyurethane foam block etc. Pipe should be insulated with 9 mm thick EPDM rubber with adhesive.			0.00
a.		45	25 mm Dia	186	Rmt	8332.80
b.		19	32 mm Dia	246	Rmt	4723.20
31	6-1-19.	160.00	Supplying and erecting iron work, sheet metal work consisting of CRCA sheets, various sections of iron, plates, chequered plates, rods, bars, MS pipes, etc. for panel board or any other purpose with bending, cutting, drilling and welding complete erected at the position with necessary materials duly painted with one coat of red oxide and two coats of enamel paint to match the switchgears or as per directions by the authority.	186	Kg.	29760.00
32	NCSR	510.00	Supply Installation Testing & commissioning of 13 mm N Clad Chemically Cross- linked Closed Cell polyolefin foam with factory applied reinforced UV Resistant aluminum Foil. With weather resistance or high durability,Protech insulation material from mechanical damage , UV and weather conditions. N clad Has a low thermal conductivity of 0.035 W/mk (ASTM C518)	1097	Sqmt	559470.00
33	3-10.24	28.75	Providing vaccumising the airconditioner system to 200 micron and charging with R-410A/R32 refrigerant for air conditioning unit.	1182	Kg.	33982.50
34	7-11-5.	243.00	Providing & erecting Hot dipped galvanized ladder type cable tray manufactured from 16 swg (1.6 mm thick) GI sheet of 500 mm width & 100 mm height comprising all required standard accessories	965	Rmt	234495.00
35	7-11-15.	243.00	Providing & erecting Hot dipped galvanized cover suitable for perforated type cable tray manufactured from 18 swg (1.2 mm thick) GI sheet of 500 mm width & 20 mm height complete with necessary hardware in approved manner.	969	Rmt	235467.00
36	7-2-14.	120.00	Supplying, erecting & terminating XLPE armoured cable 3 core 2.5 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	173	Rmt	20760.00



37	7-2.32.	100.00	Supplying, erecting & terminating XLPE armoured cable 4 core 6 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	396	Rmt	39600.00
38	7-1-19	150.00	Supplying, erecting & terminating FR XLPE insulated, galvanised steel formed wire armoured (strip) cable 1100 V, 3½ core 95 sq. mm. aluminium conductor complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/AL	606	Rmt	90900.00
39	1-3-14.	243.00	Supplying and erecting PVC insulated PVC round sheathed 1.5 sq.mm (30 no. x 0.25 mm dia.) 3 core flexible multi stranded copper Industrial cable for voltage grade up to 1.1 Kv	61	Rmt	14823.00
40	3-11-77.	8.00	Carrying out core cutting of size 3" to 5" dia x 15" length in the C.C./rock/stone wall with the help of specialized core cutting machine in proper manner and finishing the site as original.	7519	Job	60152.00
41	3-11-74	2.00	Supply, installation, testing and commissioning air curtain of 3 feet width having air throw velocity of 12 to 14m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9 feet, working on 1 phase, 230V, 50Hz, A.C. supply.	18648.00	Each	37296.00
42	3-11-75	2.00	Supply, installation, testing and commissioning air curtain of 4 feet width having air throw velocity of 21m/sec, low noise level up to 38 to 46dBA suitable for door height upto 9 feet, working on 1 phase, 230V, 50Hz, A.C. supply.	19538.00	Each	39076.00
43	Non CSR	1.00	Supplying, installation, testing and commissioning of indoor floor/wall mounted modular, sectionalized, compartmentalized, cubicle panel having 35 KA breaking capacity of suitable size fabricated from CRCA steel frame work, enclosure and doors and powder coated, with Aluminum bus bar with buss bar supports suitable for 3 Phase 415 V 50 HZ AC supply i/c providing and fixing the following switchgear mounted thereon complete with gaskets and interconnections, connection as per specification & vermin proof with degree of protection of IP 42 type Incomer 1) 250 A , 4 pole MCCB 12 Way - 1 Nos 2) 250 A, 4 pole MCCB 12 Way Cable Alleys - 1 Nos 3) ammeter (0-1000Amp) -1 No 4)Voltmeter(0-500 V)-1 No5) Selector Switch - 2 Nos. 6) Pilot Indicator Set - 3 Nos 7) SP MCB 6 A-1 Nos. 8) FP MCB 40 A-12 Nos (Estimate No: 1435/NGP/2022-23)	100370.00	Each	100370.00
44	Non CSR	1.00	Civil Work ( Braking wall,slabe, falsciling & repairing with painting and match to same existing civil work ) (Sanction Revised Estimate No: 1998/ /CND/2018-19)	980000.00	Job	980000.00
45	7-6-12	102.00	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 120 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete	392.00	Rmt	39984.00
					<b>Total</b>	<b>11057715.50</b>

**Work Abstract**

<b>Total for Work Portion</b> =====>>>	<b>11057715.50</b>
<b>1. Contingency 4 %</b> =====>>>	<b>442308.62</b>
<b>2. Add GST 18 %</b> =====>>>	<b>2070004.34</b>
<b>Grand Total</b> =====>>>	<b>13570028.46</b>

( विवेक होशिंग )

उप सचिव (वने), महाराष्ट्र शासन

पृष्ठ १० पैकी ९

## प्रपत्र-२

शासन निर्णय क्र.संकीर्ण-२०२४/प्र.क्र.०५/फ-९ दिनांक १९ जानेवारी, २०२४ सोबतचे प्रपत्र -२

NAME OF WORK :: PROVIDING INTERIORS & ADDITIONAL FURNITURE IN CAFETERIA BUILDING AT SHRADDHEY SHRI ATAL BIHARI VAJPAYEE AT BOTANICAL GARDEN VISAPUR TAH. BALLARPUR, DIST. CHANDRAPUR								
RECAPITULATION SHEET								
S.N.	Particulars of Scope			Norms (Unit / Rate Rs. Per Sqm/M/Lump sum etc.			Cost Rs.	
							Component wise	Total
(A) ESSENTIAL ITEMS								
	a. Building Additional Civil Work		Cost as per detailed abstract			7587716.00	7587716.00	
(B) ESSENCIAL OTHER CIVIL ITEMS								
	---	-	-	-	-	-	-	
					Sub Total= (B)			0.00
(C) OPTIONAL CIVIL ITEMS								
	i) Furniture		Cost as per detailed abstract			5885242.00		
	ii) Murals & Painting (Artifact)	-	Cost as per detailed abstract			1084000.00		
					Sub Total= (C)			6969242.00
(D) WATER SUPPLY AND SANITARY WORKS								
	i) Water Supply and Sanitary Works	-	-	-	-	-	0.00	
					Sub Total= (D)			0.00
(E) TOTAL CIVIL WORK COST					Total Civil Work Cost (E) = (A+B+C+D)		14556958.00	
(F) TOTAL ELECTRICAL WORK COST					Attached Separately		8308016.00	
(G) TOTAL WORK COST					Project Cost (P) = (E+F)		22864974.00	
(H) PERCENTAGES OVER WORK COST								
	i) Contingencies		Add	4% on (P)			914599.00	
	ii) Green Building Concept		Add	0% on (P)			0.00	
	iii) GST		Add	18% on (P)			4115695.00	
	iv) Price Escalation		Add	0% on (P)			0.00	
	v) Architecture Services (3 To 5% Pts. (3.00 %)		Add	3.0% on (P)			685949.00	
	vi) Centage 5% for Charges (if any for other Dept. work)		Add	5% on (P)			1143249.00	
	vii) Insurance		Add	1% on (P)			228650.00	
					Total Taxes Cost (H)		7088142.00	
			Total Cost of the Project = (TPC): (G+H)					29953116.00
							Say Rs.	29953000.00

( विवेक होशिंग )  
उप सचिव (वने), महाराष्ट्र शासन